

Name \_\_\_\_\_

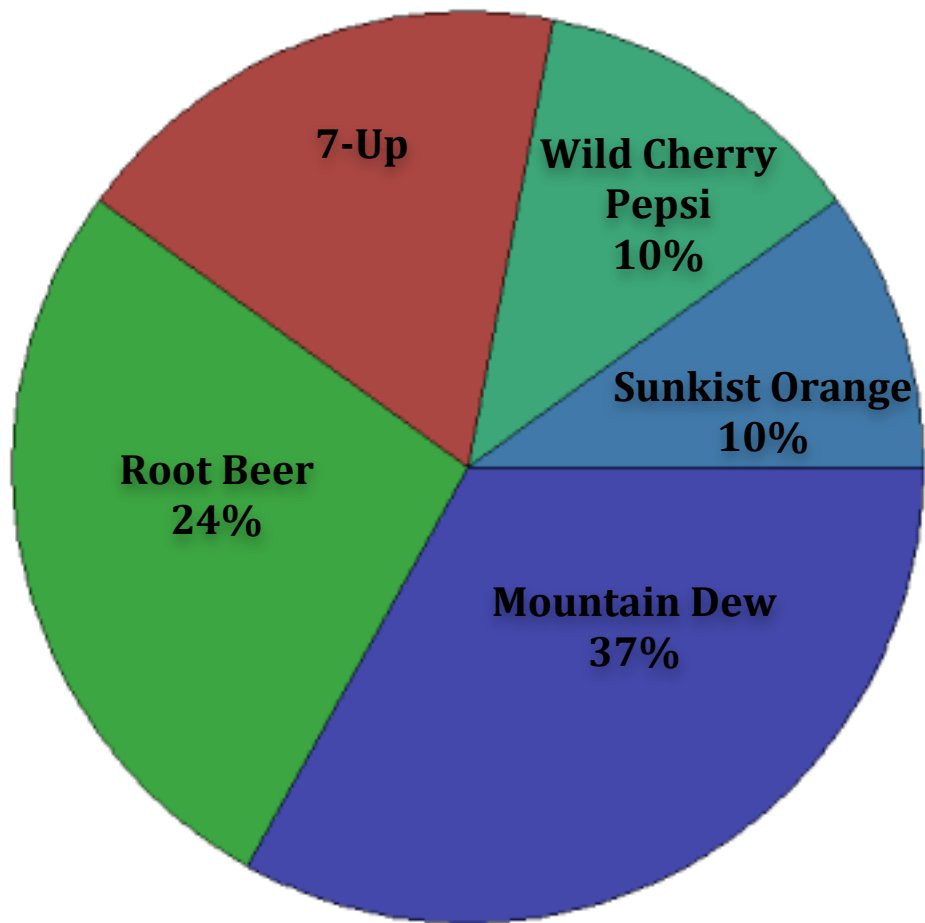
**Percents, Proportions, and Circle Graphs**

Solve the following.

- 1) What is 15% of 310?
  
- 2) 11 is 23% of what number?
  
- 3) 17 is what percent of 50?
  
- 4) 35% of the students earned a B+ in math class. There are 104 students in the Red House. How many students earned a B+?
  
- 5) There are  $360^\circ$  in a circle. How many degrees would be 46% of the circle?
  
- 6) 23 out of 29 students in 3<sup>rd</sup> hour agree that math is the most important subject. What percent of the class feels this way?
  
- 7) Using the protractor, Ellie found that the angle measured  $103^\circ$ . What percent of the circle is this?
  
- 8) 67% of the 8<sup>th</sup> grade orders pizza on Domino's Tuesdays. If there are 348 8<sup>th</sup> graders, how many students order pizza?
  
- 9) Hailey was "sick" 13 days out of 45 days. What percent of school days has she missed?
  
- 10) CHALLENGE TIME!  
5 students did not sign up to attend the Weather Day field trip. If there are 112 students in the Red House, what percent of students DID attend the field trip?

Use the circle graph below to answer the following questions.

Preferred Sodas of Forest Park 7<sup>th</sup> Graders



11)What percent of students selected 7-Up as their favorite soda? \_\_\_\_\_

12-24) There were 349 students surveyed. Complete the following chart.

Soda	# of students	% of students	Degree Measure
Mountain Dew		37%	
Root Beer		24%	
Sunkist Orange		10%	
Wild Cherry Pepsi		10%	
7-Up			

(HINT: It is your answer to #11.)

Totals: \_\_\_\_\_